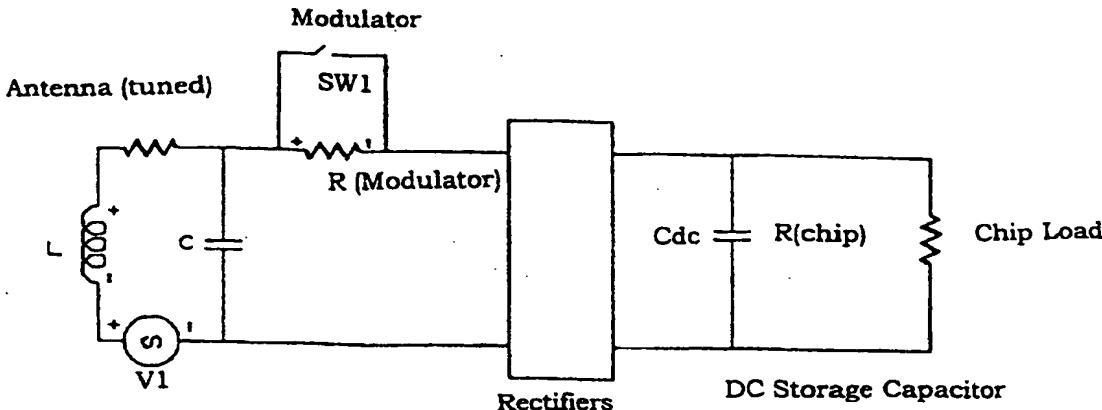




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## (54) Title: A TRANSCEIVER

**Invention with Modulator in AC part of Circuit**

## (57) Abstract

A transceiver according to the invention has application to a baggage handling system, amongst others, and includes an electrical circuit having a modulated series resistor, in the form of resistor R(modulator). Also included is a parallel switch SW1, which is placed between the antenna and a storage capacitor in the AC part of the circuit. In other embodiments the modulated series resistor, again in the form of resistor R(modulator) and parallel switch SW1, is placed between the antenna and the storage capacitor in the DC part of the circuit. Both circuits produce the same transmitted signal, although in practice the latter is simpler to implement due to its DC operating bias. In still further embodiments a modulated series resistor is placed between the antenna and the antenna's tuning capacitor.